EGGER wood waste recycling



EGGER commissioned in Romania both a recycling facility at the production plant and public waste wood collection points to enable local waste wood flows.

Egger Romania invested in resource saving technology and included recycling in the process. Up to 18% of the wood used in Romanian factories are recycling material. They process waste wood from furniture, pallets, wooden packaging materials, construction and demolition, that meets the requirements of the applicable directives and inspection systems. The material is also inspected visually and contaminated wood is separated for thermal use. In Romania, the EGGER Group runs its own recycling enterprises under the name Timberpak.

Suitable recycled wood is processed there and used for chipboard production. Large volumes of by-products and recyclable wood are generated by the plants. The company upgrades them into materials or uses them to generate environmentally friendly heat and electricity. With EGGER wood-based materials, the company established good environmental performance of the urban wood material. The objective of a closed loop material cycle is, on the one hand, to reuse all waste and by products as efficiently as possible, and on the other hand, to make substances used in the product available again for production at the end of the product life cycle, by implementing optimal recycling. The possibility of a closed material cycle should be taken into account even during the preliminary stage of product planning in conjunction with product design. Re-use of materials that were already used in products and have passed through a usage phase. The great challenge is to separate materials so that they become again source materials for new products. The collection division of recycled wood and the recycling installation of wood from Romania are the EGGER's solution for a secondary, sustainable life cycle of materials based on wood.

The recycling wood quantities which were elaborated and recycled in 2016 by EGGER Romania replaced the potential of usage of 35,000 hectares of forests. The company has a unique wood recycling installation in Romania, dedicated and used exclusively for this purpose. At Romanian level, EGGER uses in average 17 % recycled wood for the production of panels based on wood in 2018. Last year, EGGER Romania reached a level of approximately 8 % and in the half of 2017, while in 2017 reach 15 % of recycled wood, and it was estimated a share of 17 % for the second half of 2017. The objective for 2020 is to recycle more

than 150,000 tonnes of materials based on wood, annually, equivalent to more than 30 % of the volume of wood from forest works, according to Ioan Banciu, technical director of EGGER Eastern Europe division.

DETALLES

ORIGEN DE LA MADERA
Trabajos de deconstrucción

TIPO DE MADERA
Madera reciclada o de desecho

TIPO DE MADERA AFECTADA
Waste wood from furniture, pallets, wooden packaging materials, construction and demolition

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD
Replaced the potential of usage of 50,000 hectares of forests in Romania

EFECTO SOBRE LOS INGRESOS
N/A

POTENCIAL DE EXPLOTACIóN
--

HUB
--

IMPACTO ECONóMICO
24 mil € investment, cost effects 60 €/t

CONOCIMIENTOS ESPECíFICOS NECESARIOS
Sustainable product management, basic materials and environment.

POTENCIAL DE MOVILIZACIóN
100.000 tone/year

POTENCIAL DE SOSTENIBILIDAD - VALOR
--

FACILIDAD DE APLICACIóN
Medium

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN
--

PREREQUISITOS CLAVE
--

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS
--

EFECTO SOBRE EL EMPLEO
50

COSTES DE IMPLEMENTACIóN (EURO - €)
--

MáS DETALLES

RETO ABORDADO

6. Hacer crecer la bioeconomía forestal mediante el uso circular y los productos de valor añadido

DOMINIO

Industrias forestales, economía biocircular
Industria de la dendroenergía

TIPO DE SOLUCIóN

Plataformas de colaboración, centros logísticos

PALABRAS CLAVE

recovered wood; waste wood; recycling; wood-based panels

SOLUCIóN DIGITAL

No

INNOVACIóN

Si

PAíS DE ORIGEN

Rumanía

ESCALA DE APLICACIóN

Nacional

AñO DE INICIO Y FIN

2016 - 2018

DATOS DE CONTACTO

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REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

https://www.egger.com/shop/ro_RO/

SITIO WEB DEL PROYECTO

www.woodcircus.eu

REFERENCIA DEL PROYECTO

WoodCircus, Horizon 2020 no. 820892, 2018-2021

RECURSOS

EGGER - Good practice factsheet WoodCircus

LOGO DE LA BUENA PRáCTICA

LOGOTIPO DE LA ORGANIZACIóN PRINCIPAL

PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

1 Oct 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY